

What is claimed is:

1. A method for applying a selected color space transformation profile when rendering image data, comprising the steps of:
 - (a) providing a plurality of color space transformation profiles;
 - (b) receiving a media attribute, the media attribute identifying a desired characteristic of a media to be used in rendering the image data;
 - (c) selecting a color space transformation profile from the plurality of color space transformation profiles based on the received media attribute; and
 - (d) applying the selected color space transformation profile to render the image data.
2. The method of claim 1, wherein step the received media attribute includes a media white point.
3. The method of claim 1, wherein the step (c) comprises:
 - (c1) providing a plurality of unique assignment records, each assignment record referencing a color space transformation profile;
 - (c2) identifying one of the unique assignment records based on the received media attribute; and
 - (c3) retrieving the color space transformation profile associated with the identified assignment record.
4. The method of claim 3, wherein the step (c2) comprises:
generating a transformation query including the received media attribute
determining if any of the unique assignment records exactly match the transformation query and if more than one assignment record exactly matches the transformation query performing a resolution operation to identify a single assignment record.

5. The method of claim 4, further comprising determining a best match assignment record if none of the assignment records exactly match the transformation query.

6. The method of claim 4, wherein the transformation query identifies at least one media attribute selected from the group of media attributes including media name, color, weight, coating, white point, and opacity.

7. The method of claim 1, further comprising the step of rendering image data on a xerographic printing device using the selected color space transformation profile.

8. A system for selecting a color space transformation profile to enable rendering image data, comprising:

- a storage device to store and provide a plurality of color space transformation profiles;
- an input device to provide at least one media attribute of the media type to be used in rendering the image data;
- a color profile manager to select a color space transformation profile based on the media attribute; and
- an imager to apply the selected color space transformation profile to the image data.

9. The system as claimed in claim 8, further comprising a xerographic printing device to generate an output image using image data processed with the selected color space transformation profile.

10. The system as claimed in claim 9, wherein:
the storage device further provides a plurality of unique assignment
records, each assignment record referencing a color space
transformation profile; and
the color profile manager selects a color space transformation profile
based on the media attribute.